Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Friday 22 Jan 2021 until 23:59 on Saturday 23 Jan 2021

Forecast Issued on Friday 22 Jan 2021 at 03:03

Confidence: High confidence for a more settled weekend of weather but some uncertainty about the timing of frontal rain on Monday.

Headline for Friday 22 Jan 2021: Some sunny intervals but a few snow showers too, strong northwesterly winds easing.

Mountain weather hazards on Friday 22 Jan 2021

Blizzards
Low Likelihood

Heavy Snow
No Likelihood

Storm force winds
No Likelihood

Gales
No Likelihood

Severe chill effect
Medium Likelihood

Poor visibility
Low Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Light snow	Heavy snow showers	Heavy snow showers	Partly cloudy (night)	Light snow showers (night)
Precipitation probability					
20%	30%	30%	30%	20%	40%

Forecast for Friday 22 Jan 2021

Weather: Clear or sunny intervals and occasional snow showers.

Chance of cloud free mountain/hill tops above 800m: 70% chance, cloud shrouding the summits in snow showers.

Visibility: Visibility will generally be very good but in snow showers cloud may lower to around 600m temporarily, in any heavier snow showers visibility will become very poor for a time as the shower moves through.

Check our weather forecast every day to get the most accurate and up to date information
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Mountain Weather Forecast

Forecast for Friday 22 Jan 2021

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	32/38 W	26/31 W	20/26 W	17/21 W	17/21 W	15/18 SW	14/17 W
600	26/34 W	23/30 W	18/25 W	15/20 W	13/19 W	11/17 W	12/17 W
300	11/28 W	9/23 NW	9/21 W	7/17 W	5/14 W	5/14 W	5/13 W
Valley	9/25 W	8/21 W	9/20 W	6/15 W	6/15 W	5/13 W	5/13 W

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-3/-12	-3/-12	-3/-11	-3/-10	-4/-11	-4/-10	-4/-11
600	-1/-9	-1/-9	-1/-8	-1/-7	-2/-8	-2/-7	-2/-8
300	1/-3	1/-3	2/-2	1/-2	0/-2	-0/-3	-0/-3
Valley	3/-0	3/0	4/1	3/1	2/-0	2/-0	2/-1
Freezing Level*	400m	400m	400m	400m	300m	300m	200m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View
Nothing to add.

Forecast for Saturday 23 Jan 2021
Weather: A mixture of sunny spells and cloud with a few snow showers.

Maximum wind: Northwesterly winds 10-15mph.

Chance of cloud free mountain/hill tops above 800m: 80%, a few patches of low cloud will cover the fell tops in showers.

Visibility: Generally very good visibility becoming poor for a time as showers pass through, patches of cloud at 600m and above likely in showers.

Temperature: **Valleys:** Zero rising to plus 4 Celsius.
At 800m: Minus 2 falling to minus 6 celsius.
Freezing level: 400m falling to 100m.

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Thursday 21 January 2021. Location: Helvellyn summit at 12.25. Full report: Overnight snow settled down to 250m as Storm Christoph blew through. At higher elevations this was being rapidly redistributed onto mainly NE through SE aspects. This was being deposited as unstable soft wind slab in gullies, on steep slopes and in sheltered hollows up to a depth of 50cm. In a significant number of places this is overlying old icy snow which had survived the thaw of the last few days and has now refrozen hard, Additionally there were large volumes of graupal being moved around in the wind. The combination of these factors mean that there are some very unstable areas of snow with a risk of avalanche. Unstable cornices were continuing to build above N through E to S slopes. Please give them a wide berth and advise others with less experience to do likewise. The Helvellyn plateau was generally frozen and scoured clear of snow. However there are some very large drifts to the lee of features and in hollows. The Swirls path is particularly badly affected with deep drifts to negotiate between 600-800m. There is also a large unavoidable patch of hard icy snow at Swirls Steep which requires an ice axe and crampons to safely cross. Swirral and Striding Edges are generally buried under drifts of deep snow overlying old refrozen neve with rime ice forming above 800m. Temperature: minus 2.4 C, Maximum wind speed 43.8mph, Wind chill: minus 13.5 C, Average wind speed: 35.9 mph.

Issued at: 03:03 on Fri 22 Jan 2021

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